

OPEN-FILE REPORT

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature

OPEN FILE REPORT 78-039
PLATE 1 OF 69

EXPLANATION

MEASURED SECTION--Showing index number of section on plate 3 of CRO map.

GL 3950
R 18
C 34(An)
R 19
TD 71

COAL TEST HOLE--Showing index number of hole on plate 3 of CRO map, and drill-hole data, in feet.

GL 3306
NR 127
R 228
C 16(K)
R 134

OIL AND GAS TEST HOLE--Showing index number of hole on plate 3 of CRO map and drill-hole data, in feet.

GL--Ground level elevation
NR--No record
R--Rock interval
C--Coal interval
TD--Total depth

DRILL-HOLE DATA SYMBOLS

AD--Anderson or Anderson and Dietz, combined
An--Anderson
Cx--Cox
UCy--Upper Canyon
LCy--Lower Canyon
Co--Cook
Ot--Otter, upper and lower
W--Wall
P--Pawnee
PJ--Pawnee Jim
BA--Brewster-Arnold
OD--Odell
Kg--King
K--Knobloch
N--Nance
FG--Flowers-Goodale
T--Terret

COAL BED SYMBOLS AND NAMES

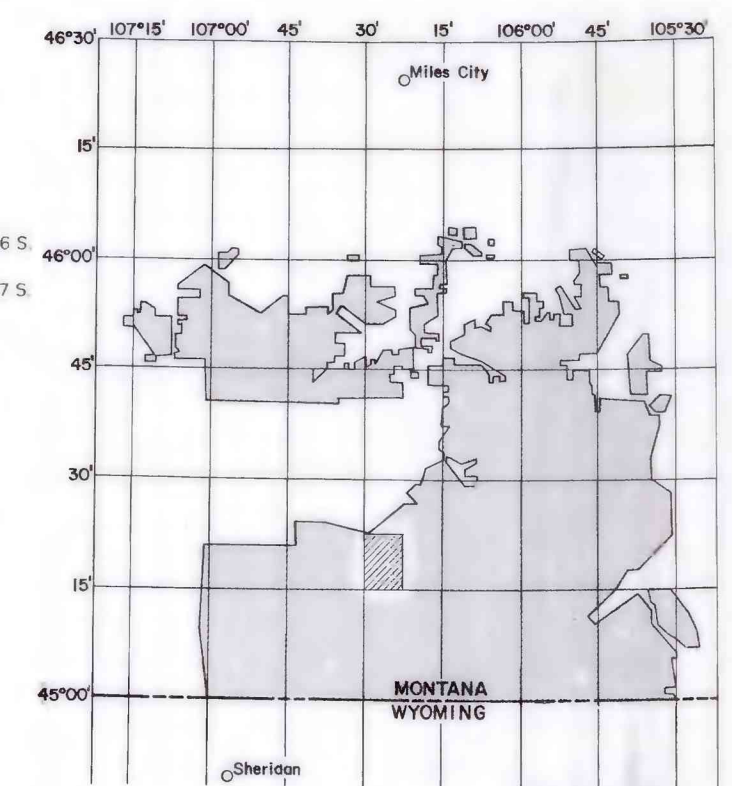
TRACE OF COAL-BED OUTCROP--

Dashed where projected beneath younger, surficial deposits. Number shows thickness of coal, in feet, measured at triangle. Plus (+) sign indicates measurement is incomplete. Letters designate the name of the coal bed as listed above. Arrow points toward the coal-bearing area.

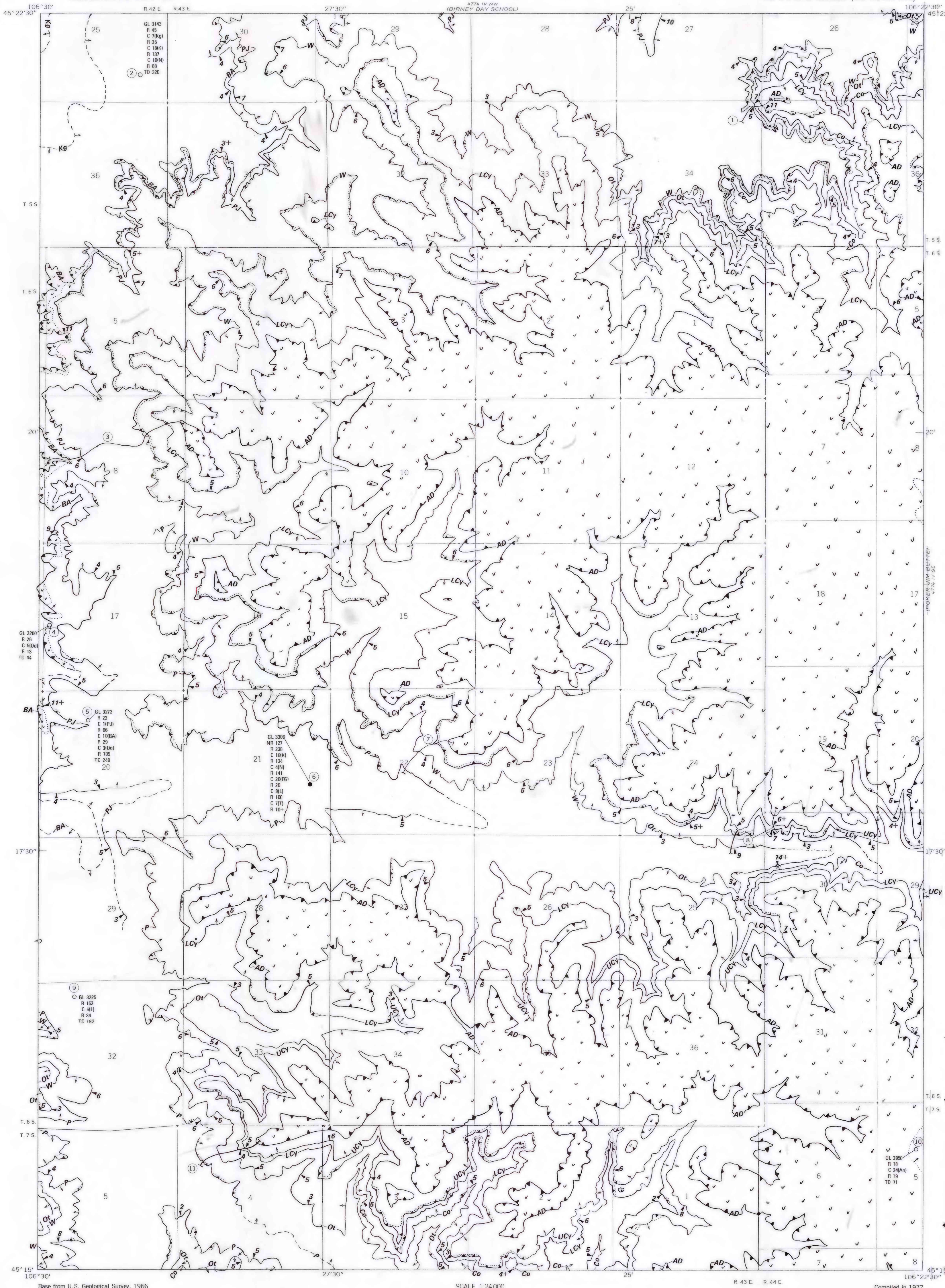
CLINKER--Showing rock that is baked and fused by the heat from burning of a coal bed (v symbol). Solid line is the base of the clinker. Dotted line is the inferred limit of burning.

ABANDONED MINE OR PROSPECT

To convert feet to meters, multiply feet by 0.3.

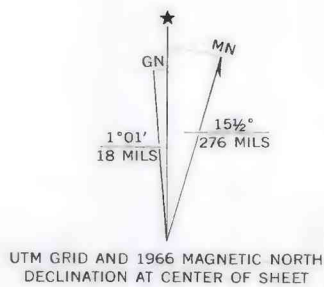
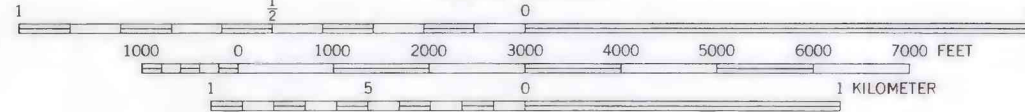


MAP SHOWING LOCATION OF THE BROWNS MOUNTAIN QUADRANGLE (RULED AND THE NORTHERN POWDER RIVER BASIN KNOWN RECOVERABLE COAL RESOURCE AREA (SHADED), MONTANA



Base from U.S. Geological Survey, 1966

SCALE 1:24,000



COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE
BROWNS MOUNTAIN QUADRANGLE, ROSEBUD COUNTY, MONTANA

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PLATE 1
COAL DATA MAP